(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) **EP 1 608 490 B1**

(12) **EUROPEAN PATENT SPECIFICATION**

(45) Date of publication and mention of the grant of the patent:
04.08.2010 Bulletin 2010/31

(21) Application number: **04749389.5**

(22) Date of filing: **17.03.2004**

(51) Int Cl.:
B26B 21/52 *(2006.01)*

(86) International application number:
PCT/US2004/008135

(87) International publication number:
WO 2004/094114 (04.11.2004 Gazette 2004/45)

(54) **RAZOR HANDLE ASSEMBLY**

HANDGRIFFAUFBAU FÜR NASSRASIERER

ENSEMBLE MANCHE DE RASOIR

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

(30) Priority: **28.03.2003 US 458675 P**

(43) Date of publication of application:
28.12.2005 Bulletin 2005/52

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Printed by Jouve, 75001 PARIS (FR)

Description

Field of the Present Invention

[0001] The present invention is generally related to shaving implements and is more particularly related to handle portions of shaving implements.

Background of the Present Invention

[0002] Shaving comfort has become an ever increasingly important aspect of modern razor design. One factor that greatly contributes to shaving comfort is the configuration of the razor handle. Historically, the handles have been treated as nothing more than mere supports for the blade carrying razor cartridge. As such, little thought or ingenuity has gone into their design to make them more user friendly.

[0003] Recently, efforts have been made to improve razor handle design by developing contoured shapes that more closely follow the contours of a user's grip. However, these handles are often formed from hard smooth materials making them slippery and difficult to manipulate in a wet shaving environment. Attempts to add ribbed surfaces or to use dissimilar materials such as rubber on a surface have been made. However, generally, the dissimilar material is not applied all around the razor thereby having the effect of enhancing the grip when a razor is held in one manner but not in another.

[0004] Prior art razor handles are typically assembled in a top to bottom fashion with two usually metallic or hard plastic handle sections coupled together forming the complete outer periphery of the handle. Enhancements to make the razor easier to grip usually involve small areas of elastomeric material extending through small apertures in the handle. While this provides some level of increased gripping it generally does not sufficiently address the problem of providing adequate handling comfort during a shaving operation.

[0005] From WO-A-01/98041 a razor handle is known which comprises a head assembly defining means for releasably retaining a razor cartridge and a core within the handle.

[0006] Based on the forgoing it is the general object of the present invention to overcome or improve upon the problems and drawbacks associated with the prior art.

Summary of the Invention

[0007] The present invention provides a razor handle as defined in claim 1. The dependent claims relate to individual embodiments of the invention.

[0008] The present invention resides in one aspect in a razor handle having first and second side sections, the first side section defining a first base portion and the second side section defining a second base portion. The first and second base portions are mirror images of each other and when coupled together cooperate to form a closed end and a generally opposite open end. The razor handle further includes a core interposed between the first and second handle sections, the core having an end adjacent the closed end of the handle sections. A head assembly, defining means for releasably coupling a razor cartridge thereto, is also interposed between the first and second handle sections and positioned in the open end thereof. Attachment means for coupling the first and second razor sections to one another are also provided.

[0009] Preferably, the attachment means include at least one stud extending from one of the first and second body portions and being receivable in an aperture defined by the other of the first and second body portions. It is also preferable that the core be formed from a material providing suitable gripping characteristics such as, but not limited to, rubber or an elastomeric polymer.

[0010] In the preferred embodiment of the present invention, the first and second handle sections are formed from die cast metal, and instead of a single stud as described above retaining the handle sections together, the attachment means includes a plurality of studs, at least one of which extends through the head assembly and another of which the core to properly position the head assembly and the core relative to the first and second handle sections as well as to aid in retaining them in the razor handle.

[0011] Side inserts are also preferably provided and are coupled to each of the first and second handle sections. In the preferred embodiment of the present invention, a pair of side inserts is provided with each defining an extension projecting outwardly from an inner surface thereof. The extension is frictionally engageable with a complementarily shaped mating aperture defined by each of the first and second handle sections. Once assembled, the side inserts are approximately perpendicular to outer surfaces defined by the core. Similarly to the core, the side inserts are also made from a material providing suitable gripping characteristics such as, but not limited, to rubber or an elastomeric polymer.

Brief Description of the Drawings

[0012]

FIG.1 is a side view of a razor including a handle embodying the present invention.
FIG. 2 is a plan view of the razor of FIG. 1.
FIG. 3 is an exploded parts view of the razor of FIG.1.

Detailed Description of the Preferred Embodiments

[0013] As shown in FIG. 1, a razor generally designated by the reference number 10 includes a handle, generally designated by the reference number 12, and a disposable shaving cartridge 14 releasably attached to a head portion 16 of the handle. An aperture 18 is defined by the handle 14 and is adapted to receive a portion of a caddy (not shown) to releasably retain the razor thereon

when not in use.

[0014] As shown in FIG. 3, the handle 12 includes a first handle section and a second handle section, generally designated by the reference numbers 20 and 22 respectively. The first handle section 20 includes a first body portion 24. Likewise, the second handle section 22 includes a second body portion 26. The first and second body portions, 24 and 26 respectively, are preferably formed from a suitable material, such as, but not limited to, die cast aluminum, and are generally mirror images of one another.

[0015] In the illustrated embodiment, the first handle section 20 includes three studs 28, 30, and 32 projecting outwardly from the first body portion 24. The ends of the studs 28, 30 and 32 are each received in an aperture 34 defined by the second handle section 22. Referring back to FIG. 1, when assembled, rivets 36 (only two shown) are positioned in the apertures 34, thereby coupling the first and second handle sections, 20 and 22 respectively, together. Once the first and second handle sections, 20 and 22 respectively, are attached to one another, they cooperate to define, as best seen in FIG. 1, a closed end 38, and an open end 39.

[0016] While three studs 28, 30 and 32 and three apertures, have been shown and described, the present invention is not limited in this regard as more or less than three studs and apertures can be employed without departing from the broader aspects of the present invention. In addition, the studs have been shown as extending from the first body portion 24; however, the present invention is not limited in this regard as the studs can protrude from the second body portion 26 or from both the first and second body portions. The same is true for the apertures 34; they can all be defined by either of the first and second handle sections 20 and 22, or each handle section can define a portion of the apertures. Furthermore, while rivets 36 have been shown and described, the present invention is not limited in this regard as other fastening methods such as adhesives, screws, solder or welding, can be employed.

[0017] Referring to FIG. 3, the handle 12 includes a core 40 interposed between the first and second body sections 20 and 22 respectively. The core includes an end 42 adjacent to the closed end 38 formed by the first and second handle sections 20 and 22. The core 40 is made from a suitable material, such as an elastomer, elastomeric polymer, or a polymer. The core 40 includes first and second core sections 44 and 46 that are attached to one another via an adhesive, with each defining a portion of an aperture 48 through which the stud 30 passes when the handle 12 is assembled. The core 40 defines a plurality of ribs 50 which extend along generally opposite side surfaces thereof. The ribs 50 are received in complementarily shaped grooves 52 defined by each of the first and second handle sections 20 and 22 respectively. The grooves 52 in cooperation with the ribs 50 aid in appropriately positioning the core 40 relative to the first and second handle sections 20 and 22 respectively. In addition, in the illustrated embodiment, an upper surface 54 of the core 40 defines a recess 56 for receiving a similarly shaped emblem plate 58 having indicia thereon. However, the present invention is not limited in this regard as the recess 56 and emblem plate 58 can be omitted without departing from the broader aspects of the present invention. In addition, while first and second core sections 44 and 46 have been shown and described, the present invention is not limited in this regard as the core can be formed from a single piece of material.

[0018] Still referring to FIG. 3, the handle 12 includes a pair of side inserts 60 each having three projections 62 extending outwardly from an inner surface 64 of the side insert. The projections 62 each frictionally engage a complementarily shaped slot 66 defined by each of the first and second handle sections 20 and 22 respectively. Each side insert 60 is made from a suitable material such as, but not limited to, an elastomer, an elastomeric polymer, or a polymer. In order to permanently secure the side inserts 60 to the first and second handle sections 20 and 22, an adhesive can be employed. While projection 62 and slots 66 have been shown and described, the present invention is not limited in this regard as the side inserts can simply be adhesively attached to the handle section without departing from the broader aspects of the present invention.

[0019] A head assembly generally designated by the reference number 68 is interposed between the first and second handle sections 20 and 22 respectively, and is positioned in the open end 39 formed thereby. The head assembly 68 includes a cartridge retainer 70 for releasably retaining the razor cartridge 14 thereon. To eject or attach the razor cartridge 14 to the handle 12, a button 74 is moved forward, thereby causing the razor cartridge to release from the handle. The head assembly 68 includes a pair of generally opposed bosses 76 (one shown) that engage complementarily shaped recesses 78, defined by each of the first and second handle sections 20 and 22 respectively. The mating of the bosses 76 with the recesses 78 causes the head section 68 to be properly positioned in the razor handle 12. In addition, the head section 68 defines an aperture 80 projecting therethrough which the stud 28 passes, further fixing the position of the head section. However, the present invention is not limited in this regard as the stud 28 does not have to pass through the head section 68. To be mechanically fixed, the head section 68 can, in addition or alternatively, be adhesively bonded to the first and second handle sections 20 and 22, respectively. Referring back to FIG. 1, the aperture 18 is defined by the first and second handle sections, 20 and 22 respectively, the head section 68 and the core 40.

[0020] Although this invention has been shown and described with respect to the detailed embodiments thereof, it will be understood by those of skill in the art that various changes may be made and equivalents may be substituted for elements thereof without departing from the scope of the invention. In addition, modifications

may be made to adapt a particular situation or material to the teachings of the invention without departing from the essential scope thereof. Therefore, it is intended that the invention not be limited to the particular embodiments disclosed in the above detailed description, but that the invention will include all embodiments falling within the scope of the appended claims.

Claims

1. A razor handle assembly (12) **characterized by**:

- a first handle section (20) having a first body portion (24);
- a second handle section (22) having a second body portion (26), said first and second body portions (24, 26) being mirror images of one another;
- attachment means for coupling said first and second handle sections (20,22) together, so that said first and second handle sections (20,22) cooperate to form a closed end (38) and an open end (39) generally opposite said closed end (38);
- a head assembly (68) interposed between said first and second body sections (24,26) at said open end (39), said head assembly (68) defining means for releasably retaining a razor cartridge (14) thereon; and
- a core (40) interposed between said first and second body sections (24,26), said core (40) having an end (42) adjacent said closed end (38).

2. The razor handle assembly (12) as defined by claim 1, wherein:

- said attachment means includes at least one stud (28,30,32) projecting outwardly from one of said first and second handle portions (20,22), and at least one aperture (34) in the other of said first and second handle portions (20,22), said aperture (34) being adapted to receive an end of said stud (28,30,32); and
- fastening means for securing said end of said stud (28,30,32) in a respective one of said apertures (34).

3. The razor handle assembly (12) as defined by claim 2, wherein:

- said at least one stud (28,30,32) includes three studs (28,30,32) each spaced away from the next successive stud (28,30,32) and projecting outwardly from one of said first and second handle portions (20,22); and
- said at least one aperture (34) includes at least three apertures (34) each adapted to receive an end of one of said studs (28,30,32).

4. The razor handle assembly (12) as defined by claim 2 or 3, wherein said fastening means includes a rivet (36).

5. The razor handle assembly (12) as defined by claim 2 or 3, wherein said fastening means includes an adhesive.

6. The razor handle assembly (12) as defined by claim 3 and 4 or 3 and 5, wherein one of said studs (28,30,32) extends through said head assembly (68) and another of said studs (28,30,32) extends through said core (40).

7. The razor handle assembly (12) as defined by any one of claims 1 to 6, wherein said core (40) includes a first core section (44) coupled to a second core section (46).

8. The razor handle assembly (12) as defined by any one of claims 1 to 7 wherein said razor handle includes a pair of side inserts (60), one coupled to each of said first and second handle sections (20,22), said side inserts (60) being positioned generally opposite one another.

9. The razor handle assembly (12) as defined by claim 8, wherein:

- each of said side inserts (60) defines at least one projection (62) extending outwardly from an inner surface (64) of said side insert (60); and wherein
- each of said projections (62) is frictionally receivable in a complementarily shaped slot (66) defined by each of said first and second handle sections (20,22).

10. The razor handle assembly (12) as defined by any one of claims 1 to 9, wherein:

- said head assembly (68) defines a pair of generally opposed bosses (76) projecting outwardly from side surfaces thereof; and wherein
- each of said handle sections (20,22) includes a mating recess (78) for receiving one of said bosses (76).

11. The razor handle assembly (12) as defined by claim 8 or 9 or claim 10 and 8 or 9, wherein each of said side inserts (60) defines a plurality of raised portions for improving a user's grip on said razor handle (12).

12. The razor handle assembly (12) as defined by any one of claims 1 to 11, wherein said core (40) defines

a pair of generally opposed, exposed gripping surfaces extending between said first and second handle sections (20,22).

13. The razor handle assembly (12) as defined by any one of claims 1 to 12, wherein said razor handle assembly (12) includes an aperture (18) bounded by said first and second handle sections (20,22), an end of said core (40), and an end of said head assembly (68), said aperture (18) being adapted to engage at least one extension projecting outwardly from a razor caddy, thereby releasably coupling said razor handler assembly (12) to said razor caddy.

14. The razor handle assembly (12) as defined by claim 1, wherein the first handle portion (20) comprises a first metallic handle portion (20), the second handle portion (22) comprises a second metallic handle portion (22) and the core (40) comprises an elastomeric plastic core (40) having generally opposed, exposed gripping surfaces.

15. The razor handle assembly (12) as defined by claim 14, wherein said razor handle includes a pair of elastomeric side inserts (60) each coupled to one of said first and second handle sections (20,22), each of said side inserts (60) defining an exposed outer surface approximately perpendicular to said exposed gripping surfaces defined by said core (40).

16. The razor handle assembly (12) as defined by claim 14, wherein said razor handle (12) includes an aperture (18) bounded by said first and second handle sections (20, 22), an end of said core (40), and an end of said head assembly (68), said aperture (18) being adapted to engage at least one extension projecting outwardly from a razor caddy, thereby releasably coupling said razor handle assembly (12) to said razor caddy.

Patentansprüche

1. Rasierergriffanordnung (12), **gekennzeichnet durch**:

- einen ersten Griffabschnitt (20) mit einem ersten Körperbereich (24);
- einen zweiten Griffabschnitt (22) mit einem zweiten Körperbereich (26), wobei der erste und der zweite Körperbereich (24, 26) Spiegelbilder voneinander sind;
- eine Anbringeinrichtung zum Verbinden des ersten und des zweiten Griffabschnitts (20, 22) miteinander, so dass der erste und der zweite Griffabschnitt (20, 22) zur Bildung eines geschlossenen Endes (38) und eines dem geschlossenen Ende (38) im Wesentlichen entgegengesetzten offenen Endes (39) zusammenwirken;
- eine Kopfanordnung (68), die zwischen dem ersten und dem zweiten Körperbereichen (24, 26) an dem offenen Ende (39) angeordnet ist, wobei die Kopfanordnung (68) eine Einrichtung zum lösbaren Halten einer Rasierer-Cartridge (14) in dieser bildet; und
- einen Kern (40), der zwischen dem ersten und dem zweiten Körperbereich (24, 26) angeordnet ist, wobei der Kern (40) ein dem geschlossenen Ende (38) benachbartes Ende (42) aufweist.

2. Rasierergriffanordnung (12) nach Anspruch 1, bei welcher:

- die Anbringeinrichtung mindestens einen von dem ersten oder dem zweiten Griffabschnitt (20, 22) nach außen abstehenden Bolzen (28, 30, 32) und mindestens eine Öffnung (34) in dem anderen, dem ersten oder dem zweiten Griffabschnitt (20, 22) aufweist, wobei die Öffnung (34) zum Aufnehmen eines Endes des Bolzens (28, 30, 32) geeignet ist; und
- Befestigungseinrichtungen zum Befestigen des Endes des Bolzens (28, 30, 32) in einer jeweiligen Öffnung (34) vorgesehen sind.

3. Rasierergriffanordnung (12) nach Anspruch 2, bei welcher:

- der mindestens eine Bolzen (28, 30, 32) drei Bolzen (28, 30, 32) aufweist, die jeweils von dem nächstfolgenden Bolzen (28, 30, 32) beabstandet sind und von dem ersten oder dem zweiten Griffabschnitt (20, 22) nach außen abstehen; und
- die mindestens eine Öffnung (34) mindestens drei Öffnungen (34) aufweist, die jeweils zum Aufnehmen eines Endes eines der Bolzen (28, 30, 32) geeignet sind.

4. Rasierergriffanordnung (12) nach Anspruch 2 oder 3, bei welcher die Befestigungseinrichtungen einen Niet (36) aufweisen.

5. Rasierergriffanordnung (12) nach Anspruch 2 oder 3, bei welcher die Befestigungseinrichtungen einen Kleber aufweisen.

6. Rasierergriffanordnung (12) nach Anspruch 3 und 4 oder 3 und 5, bei welcher einer der Bolzen (28, 30, 32) sich durch die Kopfanordnung (68) erstreckt und ein anderer der Bolzen (28, 30, 32) sich durch den Kern (40) erstreckt.

7. Rasierergriffanordnung (12) nach einem der Ansprüche 1 bis 6, bei welcher der Kern (40) einen ersten

Kernabschnitt (44) aufweist, welcher mit einem zweiten Kernabschnitt (46) verbunden ist.

8. Rasierergriffanordnung (12) nach einem der Ansprüche 1 bis 7, bei welchem der Rasierergriff zwei Seiteneinsätze (60) aufweist, von denen jeweils einer mit einem der ersten und zweiten Griffabschnitte (20, 22) verbunden ist, wobei die Seiteneinsätze (60) im Wesentlichen einander gegenüberliegend angeordnet sind.

9. Rasierergriffanordnung (12) nach Anspruch 8, bei welcher:

- jeder der Seiteneinsätze (60) mindestens einen Vorsprung (62) bildet, welcher sich von einer Innenfläche (64) des Seiteneinsatzes (60) erstreckt; und wobei
- jeder der Vorsprünge (62) reibschlüssig in einem komplementär geformten Schlitz (66) aufnehmbar ist, welcher jeweils in dem ersten und dem zweiten Griffabschnitt (20, 22) gebildet ist.

10. Rasierergriffanordnung (12) nach einem der Ansprüche 1 bis 9, bei welcher:

- die Kopfanordnung (68) zwei zueinander im Wesentlichen entgegengesetzte Ansätze (76) aufweist, die von Seitenflächen derselben abstehen; und wobei
- jeder der Griffabschnitte (20, 22) eine passende Ausnehmung (78) zum Aufnehmen eines der Vorsprünge (76) aufweist.

11. Rasierergriffanordnung (12) nach Anspruch 8 oder 9 oder Anspruch 10 und 8 oder 9, bei welchem jeder der Seiteneinsätze (60) mehrere erhabene Bereiche zur Verbesserung des Halts des Benutzers an dem Rasierergriff (12) aufweist.

12. Rasierergriffanordnung (12) nach einem der Ansprüche 1 bis 11, bei welchem der Kern (40) zwei im Wesentlichen entgegengesetzte freiliegende Greifflächen bildet, welche sich zwischen dem ersten und dem zweiten Griffabschnitt (20, 22) erstrecken.

13. Rasierergriffanordnung (12) nach einem der Ansprüche 1 bis 12, bei welchem der Rasierergriff (12) eine Öffnung (18) aufweist, die von dem ersten und dem zweiten Griffabschnitt (20, 22), einem Ende des Kerns (40) und einem Ende der Kopfanordnung (68) begrenzt ist, wobei die Öffnung (18) zum Zusammengreifen mit mindestens einem von einem Rasiererhalter nach außen vorstehenden Vorsprung ausgebildet ist, wodurch der Rasierergriff (12) lösbar mit dem Rasiererhalter gekoppelt ist.

14. Rasierergriffanordnung (12) nach Anspruch 1, bei welcher der erste Griffabschnitt (20) einen ersten Metall-Griffabschnitt (20), der zweite Griffabschnitt (22) einen zweiten Metall-Griffabschnitt (22) und der Kern (40) einen Elastomer-Kunststoffkern (40) mit im Wesentlichen entgegengesetzten freiliegenden Griffflächen aufweist.

15. Rasierergriffanordnung (12) nach Anspruch 14, bei welcher der Rasierergriff zwei elastomere Seiteneinsätze (60) aufweist, welche jeweils mit einem der ersten und zweiten Griffabschnitte (20, 22) verbunden sind, wobei jeder der Seiteneinsätze (60) eine freiliegende Außenfläche bildet, welche ungefähr senkrecht zu den durch den Kern (40) gebildeten freiliegenden Griffflächen verläuft.

16. Rasierergriffanordnung (12) nach Anspruch 14, bei welcher der Rasierergriff (12) eine Öffnung (18) aufweist, welche durch den ersten und den zweiten Griffabschnitt (20, 22), ein Ende des Kerns (40) und ein Ende der Kopfanordnung (68) begrenzt ist, wobei die Öffnung (18) zum Zusammengreifen mit mindestens einem von einem Rasiererhalter nach außen vorstehenden Vorsprung ausgebildet ist, wodurch der Rasierergriff (12) lösbar mit dem Rasiererhalter gekoppelt ist.

Revendications

1. Ensemble manche de rasoir (12) **caractérisé par**:

- une première section de manche (20) avec une première partie de corps (24);
- une deuxième section de manche (22) avec une deuxième partie de corps (26), lesdites première et deuxième parties de corps (24, 26) étant des images réfléchies l'une de l'autre;
- un moyen d'attachement pour coupler lesdites première et deuxième sections de manche (20, 22) l'une à l'autre, de sorte que lesdites première et deuxième sections de manche (20, 22) coopèrent pour former une extrémité fermée (38) et une extrémité ouverte (39) sensiblement opposée à l'extrémité fermée (38);
- un ensemble tête (68) interposé entre lesdites première et deuxième parties de corps (24, 26) à ladite extrémité ouverte (39), ledit ensemble de tête (68) formant des moyens pour retenir de manière amovible une cartouche de rasoir (14) sur celui-ci; et
- un coeur (40) interposé entre lesdites première et deuxième parties de corps (24, 26), ledit coeur (40) comprenant une extrémité (42) près de ladite extrémité fermée (38).

2. Ensemble manche de rasoir (12) selon la revendication 1, dans lequel:

- ledit moyen d'attachement comprend au moins une goupille (28, 30, 32) saillant vers l'extérieur à partir d'une des première ou deuxième sections de manche (20, 22), et au moins une ouverture (34) dans l'autre desdites première et deuxième sections de manche (20, 22), ladite ouverture étant apte à recevoir une extrémité de ladite goupille (28, 30, 32); et
- des moyens de fixation sont prévus pour fixer ladite extrémité de ladite goupille (28, 30, 32) dans une ouverture respective desdites ouvertures (34).

3. Ensemble manche de rasoir (12) selon la revendication 2, dans lequel:

- ladite au moins une goupille (28, 30, 32) comprend trois goupilles (28, 30, 32), chacune écartée de ladite goupille successive et en saillie vers l'extérieur à partir d'une desdites première et deuxième sections de manche (20, 22); et
- ladite au moins une ouverture (34) comprend au moins trois ouvertures (34), chacune étant apte à recevoir une extrémité d'une desdites goupilles (28, 30, 32).

4. Ensemble manche de rasoir (12) selon les revendications 2 ou 3, dans lequel les moyens de fixation comprennent un rivet (36).

5. Ensemble manche de rasoir (12) selon les revendications 2 ou 3, dans lequel les moyens de fixation comprennent un adhésif.

6. Ensemble manche de rasoir (12) selon les revendications 3 et 4 ou 3 et 5, dans lequel une desdites goupilles (28, 30, 32) s'étend à travers ledit ensemble tête (68) et une autre desdites goupilles (28, 30, 32) s'étend à travers ledit coeur (40).

7. Ensemble manche de rasoir (12) selon l'une quelconque des revendications 1 à 6, dans lequel ledit coeur (40) comprend une première section de coeur (44) couplée à une deuxième section de coeur (46).

8. Ensemble manche de rasoir (12) selon l'une quelconque des revendications 1 à 7, dans lequel ladite manche de rasoir comprend deux inserts latéraux (60), un insert étant respectivement connecté à une desdites première et deuxième sections de manche de rasoir (20, 22), lesdits inserts (60) étant positionnés sensiblement l'une opposée à l'autre.

9. Ensemble manche de rasoir (12) selon la revendication 8, dans lequel:

- chacun des inserts latéraux (60) comprend au moins une saillie (62) s'étendant vers l'extérieur à partir d'une face interne (64) dudit insert latéral (60); et dans lequel
- chaque saillie (62) est apte à être reçue sous friction dans une fente (66) de forme complémentaire définit par chacune des première et deuxième sections de manche (20, 22).

10. Ensemble manche de rasoir (12) selon l'une quelconque des revendications 1 à 9, dans lequel:

- ledit ensemble tête (68) définit deux saillies (76) sensiblement opposée l'une à l'autre qui saillent vers l'extérieur à partir de faces latérales de celui-ci; et dans lequel
- chaque section de manche (20, 22) comprend un creux complémentaire (78) pour recevoir une desdites saillies (76).

11. Ensemble manche de rasoir (12) selon les revendications 8 ou 9 ou la revendication 10 et 8 ou 9, dans lequel chaque insert latéral (60) comprend plusieurs parties élevées pour améliorer la prise d'un utilisateur de ladite manche de rasoir (12).

12. Ensemble manche de rasoir (12) selon l'une quelconque des revendications 1 à 11, dans lequel ledit coeur (40) comprend deux faces de prise exposées et sensiblement opposées, qui s'étendent entre lesdites première et deuxième sections de manche (20, 22).

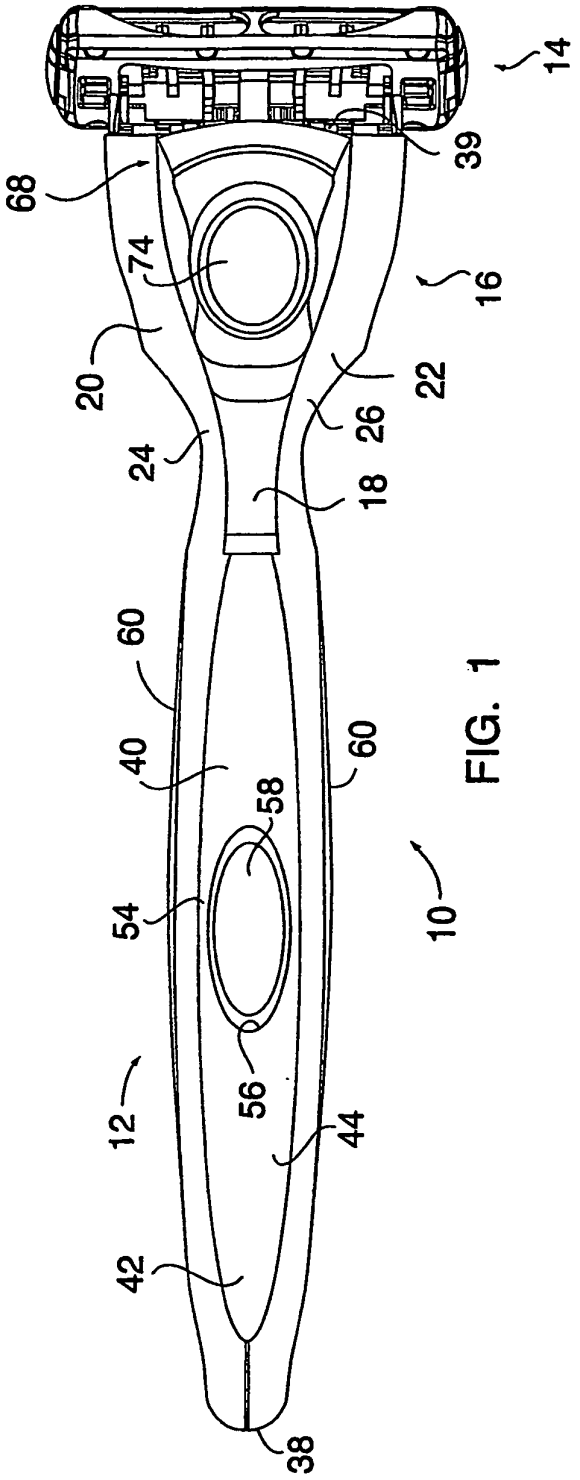
13. Ensemble manche de rasoir (12) selon l'une quelconque des revendications 1 à 12, dans lequel ladite manche de rasoir (12) comprend une ouverture (18) bordée par lesdites première et deuxième sections de manche (20, 22), une extrémité dudit coeur (40) et une extrémité dudit ensemble tête (68), ladite ouverture (18) étant apte à engager au moins une saillie projetant vers l'extérieur à partir d'un support de rasoir, ainsi couplant de manière amovible ladite manche de rasoir (12) au support de rasoir.

14. Ensemble manche de rasoir (12) selon la revendication 1, dans lequel ladite première section de manche (20) comprend une première section de manche métallique (20), ladite deuxième section de manche (22) comprend une deuxième section de manche métallique (22) et ledit coeur (40) comprend un coeur (40) en matière plastique élastomérique comprenant des faces de prise sensiblement opposées l'une à l'autre et exposées.

15. Ensemble manche de rasoir (12) selon la revendication 14, dans lequel ladite manche de rasoir comprend deux inserts latéraux (60) élastomériques, chacun connecté à une des première et deuxième sections de manche (20, 22), chaque insert latéral (60) comprenant une face externe exposée à peu

près perpendiculaire auxdites faces de prise exposées formées par ledit coeur (40).

16. Ensemble manche de rasoir (12) selon la revendication 14, dans lequel ladite manche de rasoir (12) comprend une ouverture (18) bordée par lesdites première et deuxième sections de manche (20, 22), une extrémité dudit coeur (40) et une extrémité dudit ensemble tête (68), ladite ouverture (18) étant apte à engager au moins une saillie projetant vers l'extérieur à partir d'un support de rasoir, ainsi couplant de manière amovible ladite manche de rasoir (12) au support de rasoir.


14
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68
74
16
20
22
26
24
18
60
40
58
60
54
10
12
56
44
42
38

FIG. 1

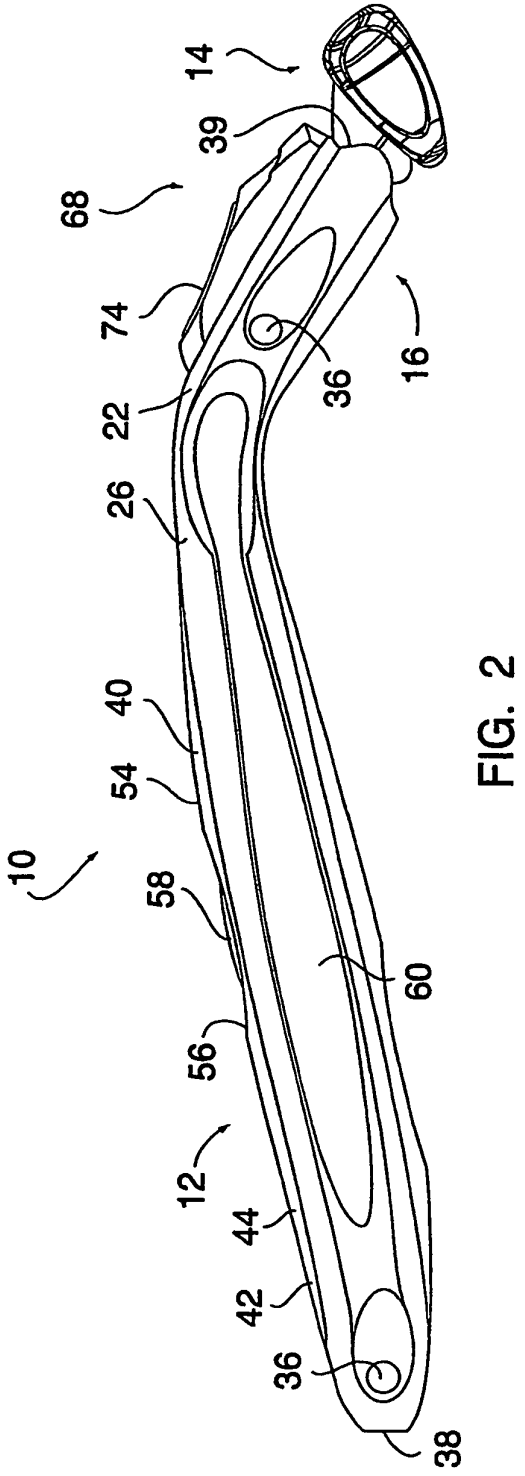
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FIG. 2

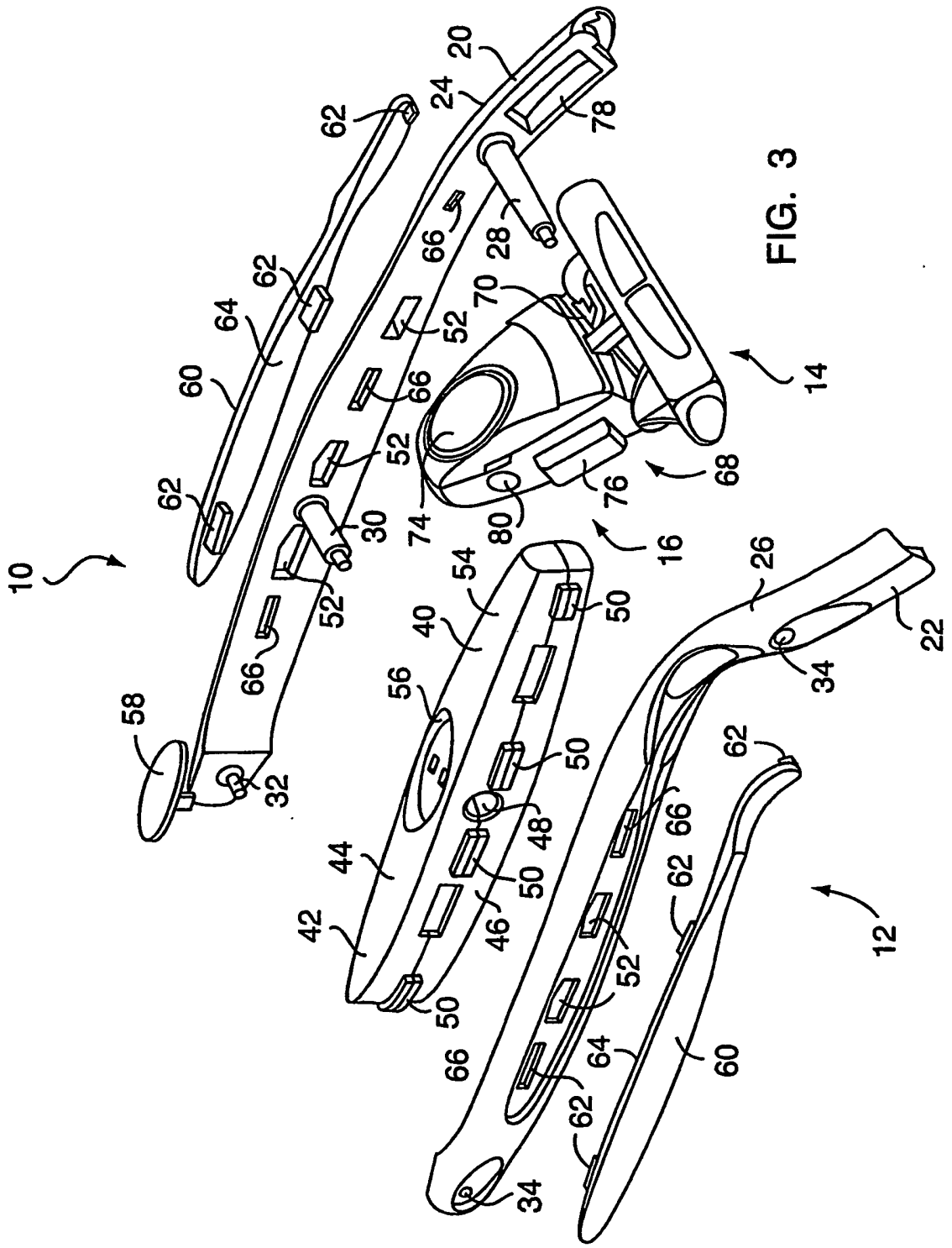
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FIG. 3

REFERENCES CITED IN THE DESCRIPTION

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Patent documents cited in the description

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